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United States
Department of
Agriculture

Agricultural
Marketing
Service

Volume 19, No. 2
April - June
1991

Plant Variety Protection Office Official Journal



PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

The Official Journal, published quarterly, is available at no charge from:

Plant Variety Protection Office
Science Division
Agricultural Marketing Service
U. S. Department of Agriculture
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10301 Baltimore Blvd.
Beltsville, Maryland 20705

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CONTENTS

	PAGE
I. GENERAL INFORMATION: Errata for Vol. 18 Index, December 1990.....	ii
II. APPLICATIONS: Actions taken April 1 through June 30, 1991	
a) Received.....	3
b) Amended.....	8
c) Abandoned, Withdrawn, Denied or Ineligible.....	9
III. CERTIFICATES: Actions taken April 1 through June 30, 1991	
a) Issued, and Novelty Based on the Applicant's Claim.....	10
b) Amended.....	25
c) Expired.....	27

GENERAL INFORMATION

ERRATA

Plant Variety Protection Office
Official Journal

Cumulative Index, Vol. 18,
December 1990

Some information was inadvertently omitted from the December 1990 Cumulative Index, which was mailed on or about July 31, 1991.

We have included these listings on the center pages of this quarterly Journal, and indicated where these pages should be inserted in the Index. If any of our subscribers have questions regarding this correction, please call us at (301) 504-5518.

APPLICATIONS RECEIVED

APRIL 1, 1991 TO JUNE 30, 1991

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. APPL. (*)	DATE	NAME OF APPLICANT
BEAN, FIELD				
9100196	Starlight	(3)	06/13/1991	University of Nebraska Agricultural Research Division
BEAN, GARDEN				
9100169	Axel		04/18/1991	Vilmorin, S.A.
9100178	Seville		05/13/1991	Rogers NK Seed Co.
CELERY				
9100171	<EXP 1>		05/01/1991	Tanimura & Antle, Inc.
CORN, FIELD				
9100163	<L155>		04/10/1991	Lifaco Genetics
9100201	LH215		06/20/1991	Holden's Foundation Seeds, Inc.
COTTON				
9100170	Bronco 414		04/22/1991	Bronco Seed Company

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS RECEIVED
APRIL 1, 1991 TO JUNE 30, 1991

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
FESCUE, TALL			
9100174	Vegas	05/06/1991	Pickseed West Inc.
9100179	Tomahawk	05/13/1991	Pure-Seed Testing, Inc.
9100193	Leprechaun	06/03/1991	Pickseed West Inc.
OAT			
9100161	Newdak	(3) 04/05/1991	North Dakota Agricultural Experiment Station
ONION			
9100203	<SS 9928>	06/25/1991	Shamrock Seed Co.
PEA			
9100175	Glacier	05/13/1991	Rogers NK Seed Co.
9100176	Mariner	05/13/1991	Rogers NK Seed Co.
9100177	Tasman	05/13/1991	Rogers NK Seed Co.
PEPPER			
9100166	DMC 56-04	(*) 04/15/1991	Del Monte Corporation

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**APPLICATIONS RECEIVED
APRIL 1, 1991 TO JUNE 30, 1991**

APPL. NO.	VARIETY	GEN. APPL. (*)	DATE	NAME OF APPLICANT
PEPPER (Continued)				
9100167	DMC 56-52	(*)	04/15/1991	Del Monte Corporation
9100168	DMC 56-54	(*)	04/15/1991	Del Monte Corporation
9100189	DMC 56-53		05/16/1991	Del Monte Corporation
RAPE				
9100194	<MLCF009>	(2)	06/10/1991	Cargill, Inc.
RICE				
9100204	L-203	(3)	06/27/1991	California Cooperative Rice Research Foundation, Inc.
RYEGRASS, PERENNIAL				
9100162	Target		04/08/1991	Ag Tech, Inc./NK Lawn and Garden Co.
SOYBEAN				
9100172	Chapman	(3)	05/06/1991	Ohio State University, Ohio Agricultural Research & Development Center
9100173	Edison	(3)	05/06/1991	Ohio State University, Ohio Agricultural Research & Development Center
9100180	9131		05/16/1991	Pioneer Hi-Bred International, Inc.

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APPLICATIONS RECEIVED
APRIL 1, 1991 TO JUNE 30, 1991

APPL. NO.	VARIETY	GEN. APPL. (*)	DATE	NAME OF APPLICANT
SOYBEAN (Continued)				
9100181	9231		05/16/1991	Pioneer Hi-Bred International, Inc.
9100182	9392		05/16/1991	Pioneer Hi-Bred International, Inc.
9100183	9443		05/20/1991	Pioneer Hi-Bred International, Inc.
9100184	9593		05/17/1991	Pioneer Hi-Bred International, Inc.
9100185	9551		05/15/1991	Pioneer Hi-Bred International, Inc.
9100186	9583		05/15/1991	Pioneer Hi-Bred International, Inc.
9100187	9521		05/15/1991	Pioneer Hi-Bred International, Inc.
9100188	9761		05/17/1991	Pioneer Hi-Bred International, Inc.
9100190	A6961		05/17/1991	Asgrow Seed Company
9100191	A3242		05/24/1991	Asgrow Seed Company
9100192	A1662		05/31/1991	Asgrow Seed Company
9100195	Brim		06/12/1991	N.C. Agricultural Research Service

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APPLICATIONS RECEIVED
APRIL 1, 1991 TO JUNE 30, 1991

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
TOBACCO			
9100159	K149	(3) 04/03/1991	Northrup King Co.
9100160	K346	(3) 04/03/1991	Northrup King Co.
WHEAT, COMMON			
9100164	2510	04/15/1991	Pioneer Hi-Bred International, Inc.
9100165	2545	04/15/1991	Pioneer Hi-Bred International, Inc.
9100197	Dalen	(3) 06/17/1991	Agripro Biosciences, Inc.
9100198	Longhorn	(3) 06/17/1991	Agripro Biosciences, Inc.
9100199	Tomahawk	(3) 06/17/1991	Agripro Biosciences, Inc.
9100200	Rawhide	(3) 06/13/1991	Board of Regents University of Nebraska and USDA/ARS
9100202	Howell	06/20/1991	University of Illinois

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

APPLICATIONS AMENDED

APRIL 1, 1991 TO JUNE 30, 1991

Information concerning the varieties below has been published previously in the Official Journal's list of "APPLICATIONS RECEIVED." During the examination process, the applicant requested this information amended as indicated below.

APPL.	VARIETY	GEN.	APPL.	NAME OF APPLICANT
NO.		(*)	DATE	

FESCUE, TALL

9000156 Tradition 04/30/1990 Pure-Seed Testing, Inc.
Variety with temporary designation <PST-DBC> named 'Tradition'.

LETTUCE

8900097 Gemini (*) 02/21/1989 Sakata Seed America, Inc.
Variety with temporary designation of <MX31-2> named 'Gemini' on October 29, 1990.

8900099 Vulcan (*) 02/21/1989 Sakata Seed America, Inc.
Variety with temporary designation of <MX-250> named 'Vulcan' on October 29, 1990.

RYEGRASS, PERENNIAL

9000224 Statesman 07/13/1990 Smith Seed Services
Name of variety changed from 'Elite' to 'Statesman'.

SOYBEAN

9100040 Archer (3) 12/04/1990 Iowa State University Research Foundation, Inc.

To be sold by variety name only as a class of certified seed with 3 generations of certified seed permitted beyond breeder's seed.

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE

APRIL 1, 1991 TO JUNE 30, 1991

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

KIND	APPL. NO.	VARIETY
BARLEY	8500219	Poco II
BEAN, FIELD	8900200	Anasazi
CELERY	8900005	Starlet
CORN, FIELD	8900234	792
MUSKMELON	9000034	Top Mark F.R.
WHEAT, COMMON	8500195	<5677>

 < > Identifies temporary designations.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BARLEY				
9000208	Excel	(3)	05/31/1991	Minnesota Agricultural Experiment Station
'Excel' is most similar to 'Robust'; however, 'Excel' has long rachilla hairs whereas 'Robust' has short rachilla hairs.				
BEAN, FIELD				
8900128	Flint		06/28/1991	Rogers NK Seed Company
'Flint' is most similar to 'UI 114'; however, 'Flint' has a Type II plant habit (erect growth habit-indeterminate), whereas 'UI 114' has a Type III plant habit (vine-indeterminate).				
BEAN, GARDEN				
8600099	Podsquad		04/30/1991	Asgrow Seed Company
'Podsquad' is most similar to 'Strike'; however, the main stalk of 'Podsquad' is brittle, while that of 'Strike' is wiry. Also, the pod spur of 'Podsquad' is only slightly curved, while that of 'Strike' is markedly curved.				

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates
the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
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BEAN, GARDEN (Continued)

8800011 Trueblue 05/31/1991 Ferry-Morse Seed Company
 'Trueblue' is most similar to 'Bounty'; however, 'Trueblue' has narrower pods than
 'Bounty'. Also, 'Trueblue' has straighter, narrower seed compared to the more reniform,
 wider seed of 'Bounty'.

8800019 Slenderella 05/31/1991 Ferry-Morse Seed Company
 'Slenderella' is most similar to 'Slenderette'; however, 'Slenderella' has a polychrome,
 veinous, brown seedcoat, while that of 'Slenderette' is monochrome white. Also, the
 average seed length of 'Slenderella' is greater than that of 'Slenderette' (12.6 vs 10.5
 mm).

8800042 Shore 06/28/1991 Ferry-Morse Seed Company
 'Shore' is most similar to 'Plateau Provider'; however, 'Shore' has narrower pods than
 'Plateau Provider' (9.4 vs 12.4 mm). Also, 'Shore' has longer seeds than 'Plateau
 Provider' (12.7 vs 10.7 mm).

8800091 Applause 06/28/1991 Asgrow Seed Company
 'Applause' is most similar to 'Early Gallatin'; however, 'Applause' is resistant to races
 1 and 2 of the halo blight bacterium, Pseudomonas syringae pv phaseolicola, while 'Early
 Gallatin' is susceptible.

 (*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates
 the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	NAME OF OWNER	
		GEN. ISSUE (*)	DATE

BENTGRASS, CREEPING

89000287 Providence 06/28/1991 University of Rhode Island
'Providence' is most similar to 'Pennncross' and 'SR 1020'; however, 'Providence' is more resistant to dollar spot than 'Pennncross' and 'SR 1020'. 'Providence' exhibited an average of 17% area of infection, whereas 'Pennncross' exhibited an average of 44% and 'SR 1020' an average of 59% area of infection.

CORN, FIELD

89000092 WIL900 05/31/1991 Wilson Hybrids, Inc.
'WIL900' is most similar to 'Mo17'; however, 'WIL900' differs from 'Mo17' in leaf angle (43 vs 27 degrees), percent of round kernels (21 vs 58%), and cob color (white vs red).
'WIL900' reaches 50% silking in 1377 heat units, has 105 gm ear weight, and has weak cob strength.

89000093 WIL901 05/31/1991 Wilson Hybrids, Inc.
'WIL901' is most similar to 'Mo17'; however, 'WIL901' differs from 'Mo17' in plant height (190 vs 170 cm), ear height (63 vs 48 cm), and leaf color (dark green vs light green).
'WIL901' reaches 50% silking in 1260 heat units, has 102 gm ear weight, and has strong cob strength.

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. (*)	ISSUE (*)	NAME OF OWNER
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CORN, FIELD (Continued)

8900094 WIL903

'WIL903' is most similar to 'Mo17'; however, 'WIL903' differs from 'Mo17' in plant height (215 vs 170 cm), percent of round kernels (18 vs 58%), and leaf color (dark green vs light green). 'WIL903' reaches 50% silking in 1264 heat units, has 79 gm ear weight, and has weak cob strength.

05/31/1991 Wilson Hybrids, Inc.

9000047 LH195

'LH195' is most similar to 'LH132'. 'LH195' differs from 'LH132' in 50% silking (1522 vs 1415 heat units) and cob color (pink vs red). 'LH195' has green silk color.

05/31/1991 Holden's Foundation Seeds, Inc.

9000048 LH204

'LH204' is most similar to 'B73Ht'; however, 'LH204' differs from 'B73Ht' in plant height (212 vs 255 cm) and ear height (84 vs 121 cm). Also 'LH204' reaches 50% silk at 1414 heat units while 'B73Ht' reaches 50% silk at 1496 heat units.

05/31/1991 Holden's Foundation Seeds, Inc.

9000049 LH205

'LH205' is most similar to 'LH119'. 'LH205' differs from 'LH119' in anther color (pink vs yellow) and cob color (pink vs red).

05/31/1991 Holden's Foundation Seeds, Inc.

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD (Continued)				
9000050	LH210		05/31/1991	Holden's Foundation Seeds, Inc.
	'LH210' is most similar to 'LH123Ht'. 'LH210' differs from 'LH123Ht' in silk color (red vs green) and ear height (140 vs 101 cm). 'LH210' reaches 50% silking in 1573 heat units, has 11 lateral tassel branches, and has red anthers.			
9000051	LH211		05/31/1991	Holden's Foundation Seeds, Inc.
	'LH211' is most similar to 'LH123Ht'. 'LH211' differs from 'LH123Ht' in tassel branch angle (39 vs 52 degrees) and longitudinal leaf creases (many vs few). 'LH211' reaches 50% silking in 1523 heat units, has 9 lateral tassel branches, and has yellow anthers.			
9000064	LH127		05/31/1991	Holden's Foundation Seeds, Inc.
	'LH127' is most similar to 'LH123Ht'; however, 'LH127' differs from 'LH123Ht' in lateral tassel branch angle (11 vs 53 degrees) and plant height (202 vs 276 cm). 'LH127' reaches 50% silking in 1315 heat units, has 4 lateral tassel branches, and has yellow anthers.			
9000065	LH163		05/31/1991	Holden's Foundation Seeds, Inc.
	'LH163' is most similar to 'LH82'; however, 'LH163' differs from 'LH82' in anther color (yellow vs pink) and leaf color (dark green (Munsell 5GY 3/4) vs medium green (5GY 4/6)). 'LH163' averages 14 kernel rows per ear while 'LH82' averages 22 kernel rows per ear.			

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ERRATA

(REMOVE THESE 2 PAGES AT CENTER AND INSERT AT
PAGE 4 OF THE INDEX, VOL. 18, DECEMBER 1990.)

Plant Variety Protection Office

Official Journal

Cumulative Index, Volume 18, December 1990

----Please add the following to the "Applications Pending Final Action" section of the Vol. 18 Index----

INDEX TO APPLICATIONS PENDING FINAL ACTION AS OF DECEMBER 31, 1990

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and is being examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. (*)	NAME OF APPLICANT
ARTICHOKE			
9000179	Imperial Star	(2)	The Regents of the University of California
BARLEY			
8500216	WestBred Barcott	(*)	Western Plant Breeders, Inc.
8500219	Poco II	(*)	Wilbur-Ellis Company - Desert Division
8900089	Winchester	(*)	Western Plant Breeders, Inc.
8900090	B2601	(3)	Busch Agricultural Resources, Inc.
8900139	Chopper	(2)	Wisconsin Agricultural Experiment Station
8900140	Bounty	(2)	Wymore Farms
8900267	<AC82-117-11>	(2)	Adolph Coors Company
BEAN, FIELD			
8900200	Anasazi	(2)	Adobe Milling Co., Inc.

BEAN, GARDEN

8700150 Stride
8800019 Slenderella
8800025 Flatbush
8800042 Shore
8800069 Early Sunray
8800091 Applause

Rogers Brothers Seed Company
Ferry-Morse Seed Company
Ferry-Morse Seed Company
Ferry-Morse Seed Company
Bakker Brothers of Idaho, Inc.
Asgrow Seed Company

BENTGRASS, CREEPING

8900086 Cobra

International Seeds Inc.

CORN, FIELD

9000122 LH160
9000124 LH190

Holden's Foundation Seeds, Inc.
Holden's Foundation Seeds, Inc.

COTTON

9000032 GSC 1093

Lubrizol dba Agrigenetics Corporation

MUSKMELON

9000034 Top Mark F.R.

Northrup King Company

SOYBEAN

8900011 AP 2324
8900146 HS 266
8900147 HS 358

Nickerson American Plant Breeders, Inc.
GROWMARK Inc.
GROWMARK Inc.

TOMATO

8700189 Beall's Gourmet

Frances B. Chesser

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< > Identifies temporary designations.

(REMOVE THIS PAGE AND INSERT AT PAGE 39
OF THE INDEX, VOL. 18, DECEMBER 1990.)

ERRATA

-----Please add the following to the "Applications Abandoned, Withdrawn, Denied, or
Ineligible" section of the Vol. 18 Index-----

APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE
JANUARY 1, 1986 TO DECEMBER 31, 1990

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection.
Propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act. Varieties
published in this list may possibly be protected under the Patent Act.

<u>KIND</u>	<u>APPL. NO.</u>	<u>VARIETY</u>
CAULIFLOWER	8600116	<Nr. 632>

< > Identifies temporary designations.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD (Continued)				
9000066	LH196		06/28/1991	Holden's Foundation Seeds, Inc.
	'LH196' is most similar to 'LH119'. 'LH196' differs from 'LH119' in silk color (pink vs green) and leaf sheath pubescence (heavy vs light).			
9000067	LH206		05/31/1991	Holden's Foundation Seeds, Inc.
	'LH206' is most similar to 'B73Ht'; however, 'LH206' differs from 'B73Ht' in plant height (187 vs 255 cm) and ear height (81 vs 121 cm). Also 'LH206' reaches 50% silk at 1312 heat units while 'B73Ht' reaches 50% silk at 1496 heat units.			
9000068	LH220Ht		06/28/1991	Holden's Foundation Seeds, Inc.
	'LH220Ht' is most similar to 'LH145Ht'. 'LH220Ht' differs from 'LH145Ht' in 50% pollen shed date (76 vs 73 days, or 1327 vs 1273 heat units) and 50% silking date (77 vs 73 days, or 1363 vs 1277 heat units).			
9000125	LH194		05/31/1991	Holden's Foundation Seeds, Inc.
	'LH194' is most similar to 'LH132'. 'LH194' differs from 'LH132' in silk color (red vs green) and 50% silking (1546 vs 1377 heat units).			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. ISSUE (*)	NAME OF OWNER
CORN, FIELD (Continued)			
9000126	LH202	06/28/1991	Holden's Foundation Seeds, Inc.
	'LH202' is most similar to 'LH149'. 'LH202' differs from 'LH149' in tassel branch angle (31 vs 52 degrees) and glume color (solid green with no red ring at base vs distinctive red ring at base).		
9000140	LH192	06/28/1991	Holden's Foundation Seeds, Inc.
	'LH192' is most similar to 'LH132'. 'LH192' differs from 'LH132' in anther color (pink vs purple) and 50% silking date (1530 vs 1357 heat units). The leaves of 'LH192' have light green or yellow mottling; no mottling is present on the leaves of 'LH132'. Silk color of 'LH192' is green.		
9000141	LH193	06/28/1991	Holden's Foundation Seeds, Inc.
	'LH193' is most similar to 'LH132'. 'LH193' differs from 'LH132' in silk color (pink vs light green) and 50% silking date (1504 vs 1357 heat units). The tassel branches of 'LH193' droop at the ends; however, those of 'LH132' are erect.		

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. ISSUE (*)	NAME OF OWNER DATE
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COTTON

9000154	Southland 400	05/31/1991	Southland Seed Company
	'Southland 400' is most similar to 'Deltapine SR383'; however, 'Southland 400' has rounder bolls (3.7 X 3.4 cm) than 'Deltapine SR383' (4.3 X 3.5 cm).		
9000168	Acala Maxxa	(*) 04/30/1991	California Planting Cotton Seed Distributors
	'Acala Maxxa' is most similar to 'Germain's Acala GC-510'; however, 'Acala Maxxa' has a lower micronaire (3.91 vs 4.12) than 'Germain's Acala GC-510'.		
9000173	Acala Royale	(*) 04/30/1991	California Planting Cotton Seed Distributors
	'Acala Royale' is most similar to 'Germain's Acala GC-510'; however, 'Acala Royale' fibers have a higher stelometer T1 (30.8 vs 29.5), a higher elongation E1 (6.0 vs 5.2) and a lower micronaire (3.89 vs 4.12) than 'Germain's Acala GC-510'.		
9000211	CH252	05/31/1991	Chaney Ranch Research
	'CH252' is most similar to 'Pima S-6'; however, 'CH252' reaches 50% boll opening an average of four days later (3-6 days) and is an average of 15 cm taller (112 cm vs 97 cm) than 'Pima S-6'.		

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. (*)	ISSUE (*)	NAME OF OWNER
COTTON (Continued)				
9000215	Lankart 142	(3)	04/30/1991	Cargill Hybrid Seeds
	'Lankart 142' is most similar to 'PR 75'; however, 'Lankart 142' has a more storm resistant boll (4.03 vs 2.55; 5=most resistant) and longer fibers (1.04 vs 0.98 in) than 'PR 75'.			
9000216	Paymaster HS200	(3)	04/30/1991	Cargill Hybrid Seeds
	'Paymaster HS200' is most similar to 'Paymaster 145'; however, 'Paymaster HS200' produces fibers which are longer (1.08 vs 0.99 in) and stronger (26.0 vs 23.9 g/tex) than 'Paymaster 145'.			
9000221	CH253		05/31/1991	Chaney Ranch Research
	'CH253' is most similar to 'Pima S-6'; however, 'CH253' reaches 50% boll opening an average of 14 days earlier (7-29 days) and is an average of seven cm shorter (90 cm vs 97 cm) than 'Pima S-6'.			
FESCUE, SHEEP				
9000053	MX-86		06/28/1991	Jacklin Seed Company
	'MX-86' is most similar to 'Mecklenburger'; however, 'MX-86' has glabrous lemmas whereas 'Mecklenburger' has more pubescent lemmas. 'MX-86' has seedheads with a more purplish color (7 vs 5; 1-9 scale; 1=green, 9=purple) than 'Mecklenburger'.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
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FESCUE, TALL

89000083 Barnone (3) 06/28/1991 Barenbrug Holland B.V.
'Barnone' is most similar to 'Rebel'; however, 'Barnone' has a longer internode length (15 vs 11 cm) and panicle length (24 vs 19 cm) than 'Rebel'.

MARIGOLD

89000070 Aurora Yellow Fire 05/31/1991 Goldsmith Seeds, Inc.
'Aurora Yellow Fire' is most similar to 'Yellow Sophia'; however, 'Aurora Yellow Fire' differs from 'Yellow Sophia' in field grown plant height (20-21 vs 30-35 cm) and flower form (fully double vs semi-double). The ray flowers of 'Aurora Yellow Fire' are bright yellow (26-6 on Munsell Color Cascade) with large mahogany-red centers, while the ray flowers of 'Yellow Sophia' are golden yellow (27-6 on Munsell Color Cascade) and have absent to small mahogany-red centers, depending on environmental conditions.

89000119 Nemanon 05/31/1991 Cardo Construct
'Nemanon' is most similar to Tagetes minuta. 'Nemanon' differs from T. minuta in side branch length (30 vs 50 cm), number of side branches (22 vs 18), and top leaflet width (11 vs 7 mm).

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
MARIGOLD (Continued)				
8900302	Disco Flame		06/28/1991	John Bodger & Sons Co.
	'Disco Flame' is most similar to 'Granada'; however, 'Disco Flame' differs from 'Granada' in field grown plant height (15 vs 20 cm), primary color of the ray flowers [Royal Horticultural Society (RHS) Colour Chart 4/4], lemon yellow, vs (RHS Colour Chart 7/1), saffron yellow, and the width of the secondary color blotch. (10 vs 6 mm). 'Disco Flame' is 5-7 days earlier to flower than 'Granada'.			
8900304	Safari Yellow		06/28/1991	John Bodger & Sons Co.
	'Safari Yellow' is most similar to 'Saffron'; however, the flower head diameter of 'Safari Yellow' is 55 mm while that of 'Saffron' is 45 mm.			
ONION				
8800209	Perla		06/28/1991	Texas Agricultural Experiment Station
	'Perla' is most similar to 'Dorada'; however, 'Perla' has bulbs which are more globe shaped with white skins, whereas 'Dorada' has bulbs which are more flattened globes with medium yellow skins.			

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. ISSUE (*)	DATE	NAME OF OWNER
PEANUT				
8900116	NC 10C	(3)	06/28/1991	North Carolina Agricultural Research Service
'NC 10C' is most similar to 'Florigiant'; however, 'NC 10C' has a lower percentage of extra large kernels (24 vs 33) and is more resistant to <u>Cylindrocadium crotonariae</u> (10 vs 19% diseased plants when grown on infested soil) than 'Florigiant'.				
9000197	NC-V11	(3)	06/28/1991	North Carolina Agricultural Research Service
'NC-V11' is most similar to 'Florigiant', 'NC 7', and 'NC 9'; however, 'NC-V11' has fewer fancy pods than 'Florigiant' (67 vs 76%), 'NC 7' (67 vs 88%), and 'NC 9' (67 vs 84%). 'NC-V11' has fewer extra large kernels (35 vs 52%) than 'NC 7'.				
RYEGRASS, PERENNIAL				
8700176	Lindsay		05/31/1991	International Seeds Inc.
'Lindsay' most closely resembles 'All*Star'; however, 'Lindsay' is more resistant to stem rust (7.6 vs 3.5; 1-9 scale; 9=least disease) than 'All*Star'.				

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
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RYEGRASS, PERENNIAL (Continued)

8900046 Nova

06/28/1991 International Seeds Inc.
'Nova' is most similar to 'Birdie II'; however, 'Nova' has shorter glumes (5.9 vs 6.3 mm) and a higher percentage of seedlings with dark anthocyanin pigmentation (38 vs 17) than 'Birdie II'.

9000038 Seville

04/30/1991 R. J. Peterson Enterprises, Inc.
'Seville' is most similar to 'Manhattan II'; however, 'Seville' has a darker green leaf color and matures an average of 4 days (3-5 days) later than 'Manhattan II'.

SAFFLOWER

9000084 Montola-2000

(*) 06/28/1991 Research and Development Institute, Inc.

'Montola-2000' is most similar to 'MT 3697'; however, seeds of 'Montola-2000' contain a higher percentage of oleic acid (81.7 vs 72.1%) and a lower percentage of linoleic acid (11.4 vs 19.9%) than 'MT 3697'.

SOYBEAN

8800221 29725K

05/31/1991 Latham Seed Co.

'29725K' is most similar to 'DSR-207'; however, '29725K' seeds have gray hila whereas 'DSR-207' seeds have brown hila.

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	NAME OF OWNER	
		GEN. ISSUE (*)	DATE

SOYBEAN (Continued)

8900223 34870

06/28/1991 Latham Seed Co.

'34870' is most similar to 'Beeson 80'; however, '34870' has black hila, brown pubescence, and tan pods whereas 'Beeson 80' has imperfect black hila, gray pubescence, and brown pods.

8900218 A1929

06/28/1991 Asgrow Seed Company

The soybean variety 'A1929' is most closely related to the following group of varieties: 'Hodgson 78', 'Sibley' 'Hardin', 'BSR101', 'A1525', and 'A1937'. However, 'A1929' differs from each of these varieties with regard to the following morphological characteristics: flower color: 'Sibley' has white, vs purple in 'A1929'; plant pubescence color: 'A1937' has tawny, vs gray in 'A1929'; pod wall color: 'BSR101' and 'A1925' have tan, vs brown in 'A1929'; hilum color: 'Hodgson 78', 'A1937', have buff; 'Sibley', 'Hardin', and 'A1525' have yellow, vs imperfect black for 'A1929'. 'A1929' also has resistance to races 3, 4, 5, 7, 8, and 9 of phytophthora, while 'Hodgson 78', 'Sibley', 'Hardin', 'BSR101', 'A1525', and 'A1937' are susceptible to these races of the disease.

8900291 6955

04/30/1991 Northrup King Co.

'6955' is most similar to the varieties 'A5474' and 'Forrest'. It can be differentiated from 'A5474' on the basis of pod color. '6955' has tan pods and 'A5474' has brown pods. '6955' can be differentiated from 'Forrest' on the basis of Phytophthora resistance. '6955' is resistant to race 1 of Phytophthora root rot, whereas 'Forrest' is susceptible.

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	NAME OF OWNER	
		GEN. ISSUE (*)	DATE

SOYBEAN (Continued)
8900292 6995

04/30/1991 Northrup King Co.

Soybean variety '6995' is most similar to the variety 'Bedford'. It can be differentiated from 'Bedford' on the basis of resistance to southern root knot nematode (Meloidogynne incognita). '6995' is resistant, and 'Bedford' is susceptible.

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES AMENDED

APRIL 1, 1991 TO JUNE 30, 1991

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, FIELD				
8900128	Flint		06/28/1991	Rogers NK Seed Company
	Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.			
FESCUE, SHEEP				
9000053	MX-86		06/28/1991	Jacklin Seed Company
	Variety with temporary designation <MX-86> named 'MX-86'.			
ONION				
8200019	Omo M		10/28/1982	Les Produits Organiques du S.A. and Fresh Choice Pro
	Name of owner changed from Les Produits Organiques du Santerre-Orsan S.A. & Dalgety Pro			
	Produits Organiques du Santerre-Orsan S.A. & Fresh Choice Produce, Inc.			
8800045	Everest		07/31/1991	Shamrock Seed Company, Inc
	Name of owner changed from Nickerson-Zwaan to Shamrock Seed Company, Inc.			

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 < > Identifies temporary designations.

CERTIFICATES AMENDED

APRIL 1, 1991 TO JUNE 30, 1991

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SOYBEAN				
8800221	29725K		05/31/1991	Latham Seed Co.
	Variety with temporary designation <29725K> named '29725K'.			
8800223	34870		06/28/1991	Latham Seed Co.
	Variety with temporary designation <34870> named '34870'.			

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 < > Identifies temporary designations.

CERTIFICATES EXPIRED

APRIL 1, 1991 TO JUNE 30, 1991

The term of protection has expired for the certificates listed below. The U.S. Plant Variety Protection Act no longer prohibits the unauthorized propagation of these varieties nor requires them to be sold by variety name only as a class of certified seed. However, varieties published in this list may possibly be protected under the Patent Act.

CERT. NO.	VARIETY	GEN. EXPIRATION (*) DATE	NAME OF APPLICANT
BEAN, GARDEN			
7100029	Sunrise	06/24/91	Rogers Brothers Seed Company
7100034	Lake Superior	05/21/91	Rogers Brothers Seed Company
7100091	Gator Green 15	06/10/91	Ferry-Morse Seed Company
7100093	Bush Romano 71	06/10/91	Ferry-Morse Seed Company
7100097	Rainier	06/20/91	Ferry-Morse Seed Company
7100100	Sinclair Butterwax	05/09/91	Agway, Inc.
7200024	Pico	05/21/91	Asgrow Seed Company
7200025	Thor	05/09/91	Asgrow Seed Company
7200026	Bonanza Wax	05/21/91	Asgrow Seed Company

(*) The Plant Variety Protection Act no longer requires these varieties to be sold by variety name only as a class of certified seed.

CERTIFICATES EXPIRED			
APRIL 1, 1991 TO JUNE 30, 1991			
CERT. NO.	VARIETY	GEN. EXPIRATION (*) DATE	NAME OF APPLICANT
BEAN, GARDEN (Continued)			
7200068	Lake Geneva	05/21/91	Rogers Brothers Seed Company
7300021	Valgold	06/20/91	Gallatin Valley Seed Co.
7300022	Galaslim	05/09/91	Gallatin Valley Seed Co.
7300023	Blue Lake GV2	06/10/91	Gallatin Valley Seed Co.
7300026	Bush Blue Lake Supreme	06/24/91	Asgrow Seed Company
7400021	Gina	06/10/91	Asgrow Seed Company
7400047	White Seeded Provider	06/10/91	Charter Seed Co.
COTTON			
7100090	McNair 210	(3) 06/20/1991	Stoneville Pedigreed Seed Company, Inc.
7200018	LX 571	(3) 06/24/91	Lankart Seed Farms, Inc.
7200071	Paymaster 111-A	(3) 05/09/91	Cargill, Inc.
7200089	Lambright X-15-3-A	(3) 06/10/91	J. H. Lambright

 (*) The Plant Variety Protection Act no longer requires these varieties to be sold by variety name only as a class of certified seed.

CERTIFICATES EXPIRED

APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. EXPIRATION (*)	DATE	NAME OF APPLICANT
COTTON (Continued)				
7200090	Lambright L-X-28	(3)	06/10/91	J. H. Lambright
7200091	Lambright X-15-4	(3)	06/10/91	J. H. Lambright
7200092	Lambright GL-4	(3)	06/10/91	J. H. Lambright
7200095	McNair 511	(3)	05/21/1991	Stoneville Pedigreed Seed Company, Inc.
7200101	Coker 5110	(3)	06/28/91	SeedCo Corp.
7300013	Paymaster Dwarf	(3)	06/28/91	Cargill, Inc.
LETTUCE				
7400013	Calmaria		05/09/91	Les Produits Organiques du Santerre-Orsan S.A.
7400014	Cal K-60		06/19/91	Les Produits Organiques du Santerre-Orsan S.A.
7400015	Winterhaven		06/24/1991	Harnish-Brinker Seed, Louis Didier, Royal Sluis (Netherlands)

 (*) The Plant Variety Protection Act no longer requires these varieties to be sold by variety name
 only as a class of certified seed.

CERTIFICATES EXPIRED

APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. EXPIRATION (*)	NAME OF APPLICANT
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30

LETTUCE (Continued)
7400071 Cabrillo

06/19/91 Les Produits Organiques du
Santerre-Orsan S.A.

PEA

7100020

Corfu

05/21/1991 W. Brotherton Seed Co., Inc.

7100039

Beacon

06/20/91 Asgrow Seed Company

7100040

Mini

05/09/91 Asgrow Seed Company

7100101

Early Market

05/09/91 Agway, Inc.

7200021

Medalist

06/24/91 Rogers Brothers Seed Co.

7200027

Charger

06/20/91 Asgrow Seed Company

7200067

Alsweet II

06/19/91 Morrison Brothers Seed Co.

7200141

Gentry

04/25/91 Stubbs Seed Services, Inc.

7300008

Small Sieve Alsweet

05/09/91 Morrison Brothers Seed Co.

7300030

Aries

05/09/91 Morrison Brothers Seed Co.

(*) The Plant Variety Protection Act no longer requires these varieties to be sold by variety name
only as a class of certified seed.

CERTIFICATES EXPIRED

APRIL 1, 1991 TO JUNE 30, 1991

CERT. NO.	VARIETY	GEN. EXPIRATION (*)	DATE	NAME OF APPLICANT
PEA (Continued)				
7300086	Cameo		05/09/91	Rogers Brothers Seed Co.
7400020	Conway		05/16/91	W. Brotherton Seed Co., Inc.
SOYBEAN				
7100042	McNair 800	(3)	04/10/91	Northrup King Company
7300017	FFR 666		04/25/91	FFR Cooperative
7400003	SRF 307P	(3)	05/16/91	Soybean Research Foundation, Inc.
WHEAT, COMMON				
7200029	World Seeds 1809	(3)	05/16/91	World Seeds, Inc.
7200144	W-332	(3)	06/28/91	Funk Seeds International, Inc.

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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
PLANT VARIETY PROTECTION OFFICE
NAL BUILDING, ROOM 500
10301 BALTIMORE BLVD.
BELTSVILLE, MARYLAND 20705-2351

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